

ABSTRACT

A pulley unit includes a pulley and a rotor concentrically disposed for relative rotation, a one-way clutch interposed in an annular space therebetween, rolling bearings provided on opposite sides of the one-way clutch, and a seal ring for sealing the annular space. An inner diametrical surface of the pulley forms an outer ring raceway of the one-way clutch and the rolling bearing, and an outer diametrical surface of the shaft body forms an inner ring raceway of the one-way clutch and the rolling bearing. An outer diameter side of an annular portion of a retainer of the rolling bearing on the side of the seal ring is reduced so as to increase a storage volume of lubricating oil between the rolling bearing and the seal ring.